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FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 293106US40PCT DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (If known, see 37 CFR 1.5) /5882**09** CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 PRIORITY DATE CLAIMED INTERNATIONAL FILING DATE INTERNATIONAL APPLICATION NO. April 12, 2004 earliest PCT/JP05/07355 April 11, 2005 TITLE OF INVENTION **HEAT EXCHANGER** APPLICANT(S) FOR DO/EO/US Shiqeharu ICHIYANAGI Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). a. h have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). If the declaration is in a language other than the English language, it is accompanied by an English translation. The translation is accurate (37 CFR 1.69) An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). A copy of the International Preliminary Examination Report (PCT/IPEA/409). A copy of the International Search Report (PCT/ISA/210). Items 13 to 23 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 13. Cited References 4 c. Statement of Relevancy PTO-1449 **b**. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. 16. l An Application Data Sheet under 37 CFR 1.76. 17. 18. A substitute specification. 19. A power of attorney and/or change of address letter. 20. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 22. I A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 23. Other items or information: Notice of Priority (2)/PCT/IB/304

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The following fees are submitted: 24. Basic national fee. 3300.00 3000.00 3000.0					· · · · · · · · · · · · · · · · · · ·	TERNATIONAL APPLICATION NO. TO CT/JP05/07355			ATTORNEY'S DOCKET NUMBER 293106US40PCT				
24. Basic national fee						FC1/3F03/	07	333					
25. Examination fee if the written opinion progrand by ISAUS or the International preliminary examination report if the written opinion progrand by ISAUS or the International preliminary examination report (and other studies). So (and other studies) and cates all claims satisfy provisions of PCT Article 33(1)(4)													
If the written opinion prepared by ISAUS or the international preliminary examination report prepared by IFAUS indicates all claims satisfy provisions of PCT Article 33(1)-(4)								\$300	\$3	00.00			
prepared by IPEAUS indicates all claims satisfy provisions of PCT Article 33(1-44)				ISA/LIS or the	intern	national prelimina	v ev	vaminati	ion report				
26. Search tear if the written opinion of the ISAUS or the International pretirrinary examination report prepared by IPEAUS indicates all claims satisfy provisions of PCT Article 32(1)-(4)	prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0												
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prepared by IPEAUS indicates all claims satisfy provisions of PCT Articls 33(1)-(4)			the ISA/US	S or the Intern	ationa	l preliminary exar	nina	ation ren	oort				
as an International Search Report prepared by an ISA Other than the US and provided by the Office or previously communicated to the US by the IB	prepared by If	PEA/U	S indicates	all claims sa	tisfy p	ovisions of PCT	Artic	de 33(1)	- (4) \$0				
and the situations	as an Internat	ional S	Searching A	Authority					\$100				
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole received or specification and for the deal additional 50 or fraction thereof (round up to a whole received or deal additional 50 or fraction thereof (round up to a whole received or deal additional 50 or fraction thereof (round up to a whole received or deal additional 50 or fraction thereof (round up to a whole received or deal additional 50 or fraction thereof (round up to a whole received fraction thereof (round up to a whole received fraction and from the deal of commencement of the national stage (37 CFR 1.492(b)). \$ c. CLAIMS NUMBER FILED NUMBER EXTRA RATE CLAIMS NUMBER FILED NUMBER EXTRA RATE TOTAL OF ABOVE CALCULATIONS = \$50.00 \$0.00 MULTIPLE DEPENDENT CLAIMS (if applicable)													
TOTAL OF 24, 25 AND 26 = \$900.00 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or RATE										64	00.00		
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Total claims State Sheets Extra Sheets Fraction thereof (round up to a whole								T					
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CPR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 11 - 20 = 0	Total Sheets	Exti						<u> </u>					
or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). \$ Total claims 11 - 20 = 0		l		<u> </u>						\$_			
CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 11 - 20 = 0										\$			
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TOTAL OF ABOVE CALCULATIONS = \$900.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. SUBTOTAL = \$900.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + \$ TOTAL NATIONAL FEE = \$900.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ Petition fee of \$1,500.00 for Petition to Revive (37 CFR 1.37 (b)). + \$ TOTAL FEES ENCLOSED = \$900.00 Amount to be refunded: \$ Amount to be charged: \$ a. A check in the amount of \$ to cover the above fees is enclosed. b. Please charge my Deposit Account No. 15-0030 in the amount of \$ to cover the above fees. c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDCE TO: CUSTOMER NUMBER 22850 Richard D. Kelly NAME Registration No. 40,211 Registration No. 40,211	Independent clai	ms	1	- 3=		0	×		\$200.00				
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iAP20 Rec'd PCT/PTO 02 AUG 2006

Docket No. 293106US40PCT

IN RE APPLICATION OF: Shigeharu ICHIYANAGI

SERIAL NO: New U.S. PCT Application Based on PCT/JP05/07355

FILED:

Herewith

FOR:

HEAT EXCHANGER

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Transmitted herewith is an amendment in the above-identified application.

- No additional fee is required
- ☐ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.
- Additional documents filed herewith: Credit Card Payment Form for \$900.00/PCT Transmittal Letter/Application Data

Sheet/Notice of Priority (2)/Preliminary Amendment/Declaration/

PCT/IB/304/International Search Report/Information Disclosure Statement/PTO-1449/Cited References (4)/Statement of Relevancy/International Preliminary

Examination Report

The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS		RATE		CALCULATIONS
TOTAL	11	MINUS	20	0	х	\$50	=	\$0.00
INDEPENDENT	1	MINUS	3	0	х	\$200	11	\$0.00
	☐ MULTIPLE DEPENDENT CLAIMS + \$360 =							\$0.00
TOTAL OF ABOVE CALCULATIONS								\$0.00
☐ Reduction by 50% for filing by Small Entity								\$0.00
			-			ТОТ	AL	\$0.00

	Α	chec	k in	the	amount	of	` <u>\$0.00</u>	is	attacl	ned.
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- ☐ Credit card payment form is attached to cover the fees in the amount of \$0.00
- Please charge any additional Fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.
- If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

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